|          | Index of Claims  |               |                                       |                |           |          |          |          |   |              |          |          |              |   |   |          |          |                  |         |               |            |       | Reexamination |                 |          |          |                 |          |  |              |          |
|----------|--|---------------|---------------------------------------|----------------|-----------|----------|----------|----------|---|--------------|----------|----------|--------------|---|---|----------|----------|------------------|---------|---------------|------------|-------|---------------|-----------------|----------|----------|-----------------|----------|--|--------------|----------|
|          |  |               |                                       |                |           |          |          |          |   |              |          |          |              |   | 10/509,689                              |          |          |                  |         |               |            |       |               | NINOMIYA ET A   |          |          |                 |          | AL.                                    |              |          |
|          |  |               |                                       |                |           |          |          |          |   |              |          |          |              |   | Ε                                       | Examiner |          |                  |         |               |            |       |               |                 | Art Unit |          |                 |          |  | П            |          |
|          | L (BEND) (1881) BEND) BEND BEND BENDE 1887 BENDE FRANCES |               |                                       |                |           |          |          |          |   |              |          |          |              |   | Anh D. Mai                              |          |          |                  |         |               |            |       |               | 2814            |          |          |                 |          |  |              |          |
|          |  |               |                                       |                |           |          |          |          |   |              |          |          |              | Anh D. Mai                                    |   |          |          |                  |         |               |            |       |               | 201             | -        |          |                 |          | ــــــــــــــــــــــــــــــــــــــ |              |          |
|          |  | $\overline{}$ | _                                     |                | _         | 7        |          | ٢        | Т   |              |          |          |              | _   |   |          |          |                  |         |               |            |       |               |                 |          |          |                 |          | 7                                      |              |          |
|          |  | V             | ✓ Rejected – (Through numer Cancelled |                |           |          |          |          |   |              |          |          |              | rer:  | N Non-Elected                           |          |          |                  |         |               |            |       |               | A               | Appeal   |          |                 |          |  |              | •        |
|          |  | <u> </u>      | _                                     |                |           | _        |          | ŀ        | +   |              |          | ance     | nec          | <u>,                                     </u> |   | ᅱ        |          | -                |         |               |            |       | ł             | H               |          |          |                 |          |  |              |          |
|          |  | =             | م ا                                   | llo            | we        | a l      |          | ı        | ٠   | + Restricted |          |          |              |   |   |          |          | I Interference O |         |               |            |       | ol            | Objected        |          |          |                 |          |  |              |          |
|          |  | L             |                                       |                |           |          |          |          |   |              |          |          |              |   |   |          |          |                  |         |               |            | Ш     |               |                 |          |          |                 |          |  |              |          |
|          |  |               |                                       |                | _         | _        |          |          | Claim   |              |          |          |              |   |   |          |          |                  |         |               | ר ר        | -01   | aim           |                 |          |          | \               |          |  |              | ח        |
| CI       | aim<br>T   | ┝             |                                       | _              | ┪         | ate      | -        | $\neg$   |   | $\dashv$     | -6       | T        | ┢            |   |   | ┪        | Date     | •                |         | $\overline{}$ | ┨╏         | CI    |               | Н               |          | T        | ate             | 1        | т                                      | 7            | 1 .      |
| 70       | Original   | ફ્ર           |                                       |                |           |          |          |          | - 1   |              | <u></u>  | Original | L            |   |   |          |          |                  |         | 1             | Н          | Final | Original      |                 | -        | l        |                 | -        |  |              |          |
| Final    | ğ  | 11/7/05       |                                       |                |           |          |          |          | ı   |              | Final    | gi       |              |   |   |          |          |                  |         |               | Н          | Ē     | j ig          |                 | -        |          |                 | -        |  |              |          |
| <u> </u> |  |               |                                       |                | Ц         |          | _        | _        | _   |              | $\vdash$ |          | L            | Ц   |   |          |          | Ц                | _       | ┸             | ]          |       |               | Ш               |          | Ш        |                 | _        | _                                      | 4            | 4        |
| <u> </u> | (ī)  | V             | Н                                     |                |           |          | -        | -+       | $\dashv$  | $\dashv$     | $\vdash$ | 51<br>52 | ╀            | Н   | Н                                       | $\dashv$ | Н        | $\vdash$         | +       | ╁             | ┨╏         |       | 101           | ┝╌┼             |          | Н        | $\dashv$        | -+       | +                                      | +            | 4        |
| -        | 3  | 6             | $\vdash$                              |                | ┨         | $\dashv$ | ┪        | -        | $\dashv$  | $\dashv$     | -        | 53       | 十            | Н   |   |          |          | H                | +       | 十             | 1 1        |       | 103           |                 |          | Н        |                 | 十        | +                                      | +            | 1        |
|          | <b>(-4)</b>  | ۲             | Н                                     | $\dashv$       | ٦         |          | ┪        | 1        | $\neg$  |              |          | 54       | T            |   |   |          |          |                  | 土       | İ             | 1 t        |       | 104           |                 |          |          |                 |          |  |              | ]        |
|          | 5  |               |                                       |                |           |          |          |          | $\Box$  |              |          | 55       |              |   |   |          |          | $\Box$           | $\perp$ | $\perp$       | ] [        |       | 105           | Ц               |          |          |                 | $\perp$  | 1                                      |              | 1        |
|          | 6  | _             |                                       |                | _         |          | _        | 4        | 4   | 4            | -        | 56       | <del> </del> |   |   |          |          | H                | 1       | ╄             | <b>↓</b> } |       | 106           | ⊢               |          | $\vdash$ | -               | $\dashv$ | +                                      | +            | 4        |
|          | 8  | ┼             | H                                     | $\dashv$       | -         | -        | _        | -+       | -+  | $\dashv$     | -        | 57<br>58 | ╁            | Н   | Ь-                                      | -        | Н        | Н                | ┿       | ┿             | ┨╏         |       | 107           | Н               | +        | Н        | $\dashv$        | +        | ╬                                      | ┿            | -        |
| -        | 9  | ┝╾            | Н                                     | $\dashv$       | ┥         | $\dashv$ | -        | $\dashv$ | ╅   | +            | -        | 59       | 十            | H   | -                                       |          | -        | H                | 十       | 十             | 1 1        |       | 109           | H               | +        | Н        | $\vdash$        | 十        | ┪                                      | +            | ┪        |
|          | 10   |               | Н                                     | 7              | ᅦ         | $\neg$   |          | 寸        | _   |              |          | 60       |              |   |   |          |          | П                | 工       | I             | 1 [        |       | 110           |                 |          |          |                 |          |  | 工            | ]        |
|          | 11   |               |                                       |                |           |          |          |          |   |              |          | 61       |              |   | П                                       | П        |          | Ц                |         | $\bot$        | ] [        |       | 111           | Ц               | 4        |          |                 | _        | $\perp$                                | _            |          |
|          | 12   |               |                                       |                |           | $\dashv$ | 4        |          | 4   | _            | _        | 62       | ┡            | -   | _                                       |          |          | Н                | -       | +             | ┨          |       | 112           | H               | +        | Н        | $\dashv$        | +        | 4                                      | +            | 4        |
| -        | 13   | ╀             | Н                                     |                | ᅱ         |          |          |          | -   | $\dashv$     | $\vdash$ | 63<br>64 | ╆            | Н   | $\vdash$                                | Н        | Н        | ⊢┤               | ╌       | ╁             | 1 }        |       | 113<br>114    | $\vdash$        | ╫        | Н        |                 | +        | +                                      | ╁            | 1        |
| -        | 15   | ╁╾            | Н                                     | $\dashv$       | ᅱ         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$     |          | 65       | ╁╴           | Н   | Н                                       | Н        |          | Н                | 十       | +             | 1 1        |       | 115           | Н               | +        | Н        |                 | +        | 十                                      | 十            | 1        |
|          | 16   |               | Н                                     |                | 7         | $\neg$   |          | ╛        | _   | 1            |          | 66       | 仜            | Ι   |   |          |          |                  |         |               | 1 [        |       | 116           |                 |          |          |                 |          | 1                                      | 工            | ]        |
|          | 17   |               |                                       |                |           |          |          | $\Box$   |   |              |          | 67       | $\Box$       |   |   |          |          |                  | $\perp$ | I             | ] [        |       | 117           | Ц               | _ _      |          |                 | _        |  | 4            | _]       |
| <u> </u> | 18   | 1_            | Ш                                     | Ш              | _         | $\dashv$ |          | $\dashv$ | -   | -            | <u> </u> | 68       | ⊬            | Н   | H                                       |          | _        | $\vdash$         | +       | +-            | 1 1        |       | 118           | $\vdash$        | - -      | Н        | $\dashv$        | +        |  |              | 4        |
| -        | 19   | ┢             | Н                                     | -              | -         |          |          | $\dashv$ | ┰   |              | $\vdash$ | 69<br>70 | ╁            | H   | $\vdash$                                | Н        | _        | Н                | +       | ╁             | 1 1        |       | 120           | H               | ╅        | Н        | H               | $\dashv$ | 十                                      | +            | 1        |
|          | 21   | ┢             | Н                                     |                | $\dashv$  | $\dashv$ |          | 寸        | 十   | 7            | $\vdash$ | 71       | 一            | ┢   | ┢                                       | П        |          | H                | $\top$  | 1             | 1          |       | 121           |                 |          | П        |                 |          |  |              |          |
|          | 22   |               |                                       |                |           |          |          |          |   |              |          | 72       |              |   |   |          | П        |                  |         | I             | ] [        |       | 122           | П               | 1        |          |                 | 1        | 1                                      | 4            | _]       |
|          | 23   |               |                                       |                | _         | $\Box$   | _        |          | 4   | 4            | <u> </u> | 73       |              | _   | <u> </u>                                | Н        | _        | Н                | +       | ╀             | 1          |       | 123<br>124    | Н               | ┿        | $\vdash$ | -               | +        | +                                      | +            | ╡        |
|          | 25   | ├             | Н                                     | -              | $\dashv$  |          | $\dashv$ | $\dashv$ | +   | $\dashv$     | -        | 74<br>75 | ╁            | -   | -                                       | Н        | -        | H                | ┿       | ╁             | 1 1        |       | 125           | $\vdash$        |          | H        |                 | $\dashv$ | -+                                     | +            | ┪        |
| -        | 26   | <del> </del>  | Н                                     |                | -         | $\dashv$ |          | ᅱ        | 十   | $\exists$    | -        | 76       | $\vdash$     | $\vdash$                                      | _                                       | П        |          | Н                | 士       |               | 1 1        |       | 126           |                 | 1        |          |                 | 士        | 士                                      | 士            | j        |
|          | 27   |               |                                       |                |           |          |          |          |   |              |          | 77       |              |   |   |          |          |                  |         | $\perp$       | ] [        |       | 127           |                 |          |          |                 | $\Box$   | $\Box$                                 |              | ]        |
|          | 28   | L             | Ц                                     |                |           |          | Ц        |          | _   | 4            |          | 78       | ┼            | L   | <u> </u>                                | Щ        |          | $\vdash$         | -       | +             | 11         |       | 128           | $\vdash$        |          | Н        | Н               | 4        | $\dashv$                               | +            | 4        |
| -        | 29<br>30   | -             | Н                                     | $\blacksquare$ | ᅴ         |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$     | $\vdash$ | 79<br>80 | ┿            | ┢   | ⊢                                       |          |          | Н                | ╁       | ╁             | 1 1        |       | 129<br>130    | Н               |          | $\vdash$ | $\vdash$        | $\dashv$ | +                                      | +            | 4        |
| $\vdash$ | 31   | ╂╌            | Н                                     | $\vdash$       | $\dashv$  |          |          | -        | -+  | $\dashv$     | $\vdash$ | 81       | ╁            | -   | -                                       | Н        |          | H                | 十       | +             | 1 1        |       | 131           | Н               | 十        | П        | $\Box$          | $\dashv$ | $\dashv$                               | ╅            | 7        |
|          | 32   |               |                                       |                |           |          |          |          | <del>ーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーー</del> |              |          | 82       |              |   |   |          |          |                  | I       | I             | 1 (        |       | 132           |                 |          |          |                 |          | $\Box$                                 | $\Box$       | ]        |
|          | 33   |               |                                       |                |           |          |          | $\Box$   | $\Box$  | $\Box$       |          | 83       | ļ.,          | L   | <u> </u>                                | Ц        |          | Ц                | 4       | ╀             | 1 1        |       | 133           | $\sqcup$        | -        | H        | $\sqcup$        |          | 4                                      | 4            | 4        |
| -        | 34   | ┞-            | Н                                     |                | _         | Н        | 4        | $\dashv$ | 4   | -            |          | 84<br>85 | ╁            | H   | ┝                                       | Н        | _        | $\vdash \vdash$  | +       | ╁             | 1          |       | 134           | $\vdash$        |          | ┢┥       | $\vdash$        | +        | +                                      |              | -        |
| -        | 35<br>36   | ╀             | Н                                     | -              | $\dashv$  |          | Н        | -        | ┰   | $\dashv$     | -        | 86       | ╁            |   | $\vdash$                                | Н        | Н        | Н                | ╅       | ╁             | 1          |       | 136           | H               | $\dashv$ | Н        | $\vdash$        | -+       | ┰┼                                     | +            | ┪        |
| -        | 37   | 十             | Н                                     |                | $\dashv$  |          | Н        | 一        | 十   | ┪            |          | 87       | T            | ┢   |   |          |          |                  | 1       | 工             | 1 1        |       | 137           |                 |          |          |                 |          | 士                                      |              | j        |
|          | 38   |               |                                       |                |           |          |          |          | 二   |              |          | 88       |              |   |   |          |          |                  | T       | I             | ] [        |       | 138           | П               | $\bot$   |          |                 | 4        | $\Box$                                 | $\downarrow$ | ]        |
|          | 39   | L             | Ц                                     | Ц              | $\exists$ |          |          | 4        | 4   | _            | <b> </b> | 89       | -            | <u> </u>                                      | _                                       | Н        | Щ        | ⊢┤               | +       | ╀             | 1          |       | 139           | ┞╾┼             | +        | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +                                      | +            | 4        |
| -        | 40   | ╀             | Н                                     | Н              | $\dashv$  | $\vdash$ |          | -        | $\dashv$  | $\dashv$     | $\vdash$ | 90       | ╁            | $\vdash$                                      | $\vdash$                                | Н        | -        | $\vdash \vdash$  | +       | +             | ┨          |       | 140           | $\vdash \vdash$ | +        | Н        | $\vdash$        | $\dashv$ | +                                      | +            | ┥        |
| -        | 42   | 1             | H                                     | $\dashv$       | $\dashv$  | $\vdash$ | $\dashv$ | $\dashv$ | 十   | $\dashv$     | -        | 92       | $\vdash$     | $\vdash$                                      | -                                       | H        | Н        | H                | +       | T             | jł         |       | 142           | H               | _        |          |                 | _        | 十                                      | 士            | <b>J</b> |
|          | 43   | L             |                                       |                |           |          |          |          | 丁   |              |          | 93       |              |   |   |          |          |                  | 1       | 工             | ]          |       | 143           | П               |          |          |                 | $\Box$   | $\sqsupset$                            | $\perp$      | ]        |
|          | 44   | 匚             |                                       |                |           | П        |          | $\Box$   | 耳   | $\Box$       |          | 94       | F            |   | $\vdash$                                | П        | Ĺ        | $\square$        | 4       | +             | <b>↓</b>   |       | 144           | $\Box$          | -        | 1        | $\vdash \vdash$ | $\dashv$ | +                                      | 4            | 4        |
| -        | 45   | ╀             |                                       | Н              |           | Н        | $\dashv$ | $\dashv$ | -   | $\dashv$     | -        | 95<br>96 | ╀            | ⊢   | ┝                                       | Н        | -        | ⊢┤               | +       | ┿             | ┫┃         |       | 145           | ┥               | +-       | +-       | ┝╼┤             | $\dashv$ | $\dashv$                               | +            | 4        |
| -        | 46   | ╁             | ┝                                     | $\dashv$       | -         | Н        | -        | $\dashv$ | $\dashv$  | $\dashv$     | $\vdash$ | 97       | +            | $\vdash$                                      | ┢═                                      | Н        | $\vdash$ | H                | +       | 十             | 1          |       | 147           | H               | +        | 1-       | H               | 7        | 7                                      | -            | 1        |
|          | 48   | T             | Н                                     | H              | ٦         | Н        |          |          | 十   | $\neg$       |          | 98       |              |   |   | П        |          |                  | 士       | 工             | ]          |       | 148           |                 |          |          |                 |          | 丁                                      |              | ]        |
|          | 49   |               |                                       |                |           |          |          |          |   |              |          | 99       | 匚            |   |   |          |          | 口                | T.      | F             | ] [        |       | 149           |                 | $\perp$  |          | П               | $\Box$   | $\supset$                              | $\perp$      | 1        |
|          | 50   |               |                                       |                |           |          |          |          |   |              |          | 100      | L            | L   | ـــــــــــــــــــــــــــــــــــــــ |          |          | Ш                |         | 丄             | ا ل        |       | 150           | $\sqcup$        |          | 1_1      |                 |          | $oldsymbol{\perp}$                     | l_           | J        |

Application/Control No.

Applicant(s)/Patent under